

FIG.1A

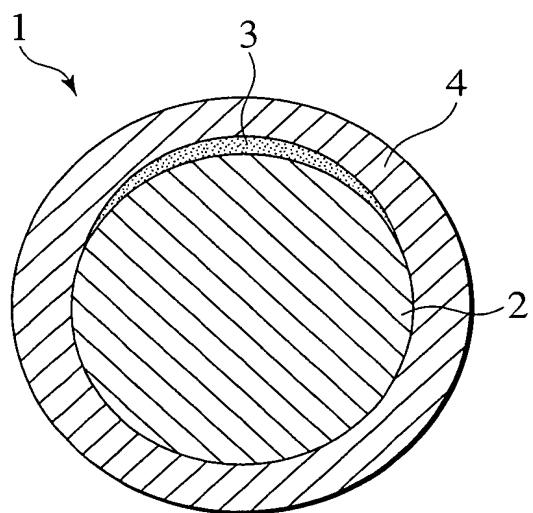
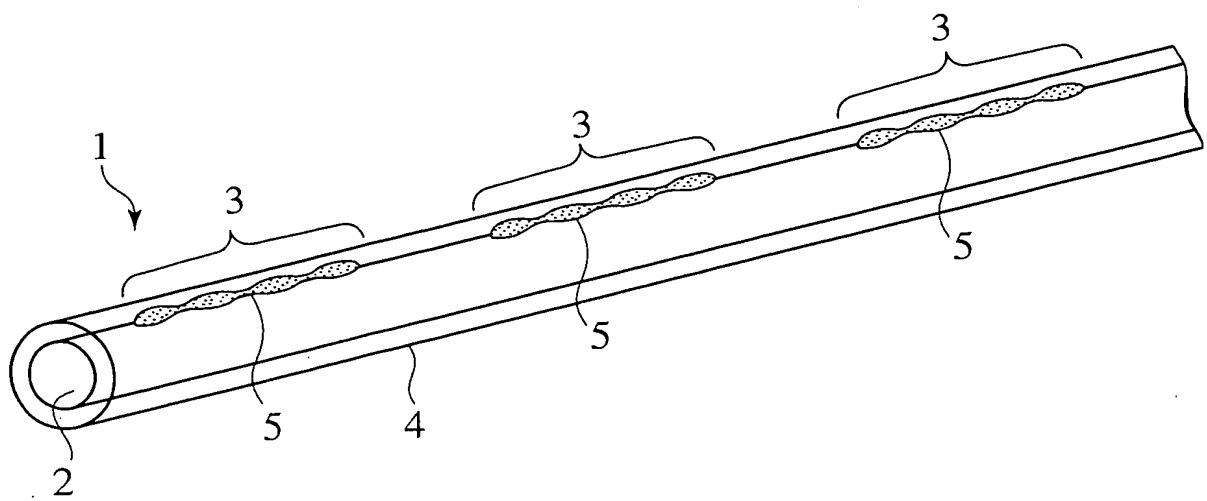


FIG.1B



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FIG.2

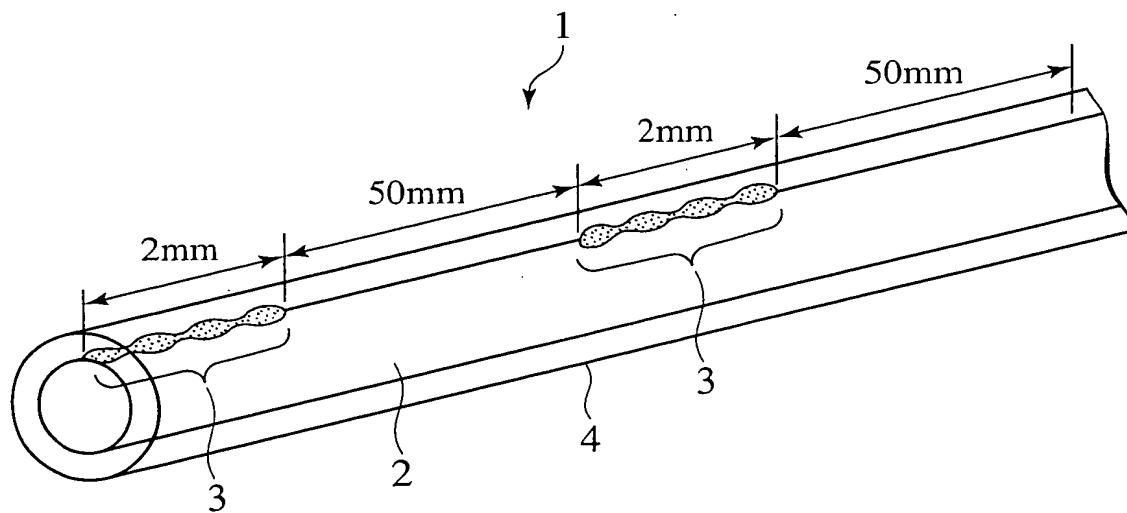


FIG.3

	THICKNESS OF DISTINCTIVE LAYER (μm)	THICKNESS OF COLORED LAYER (μm)	VARIATIONS IN TRANSMISSION LOSS (dB/km)	DISTINCTIVENESS
TEST 1	0.4	5	0.00	X
TEST 2	0.5	5	0.00	O
TEST 3	2.5	5	0.00	O
TEST 4	2.6	5	0.05	O
TEST 5	0.5	5	0.00	O
TEST 6	0.5	10	0.00	O
TEST 7	0.5	11	0.00	X

FIG.4A

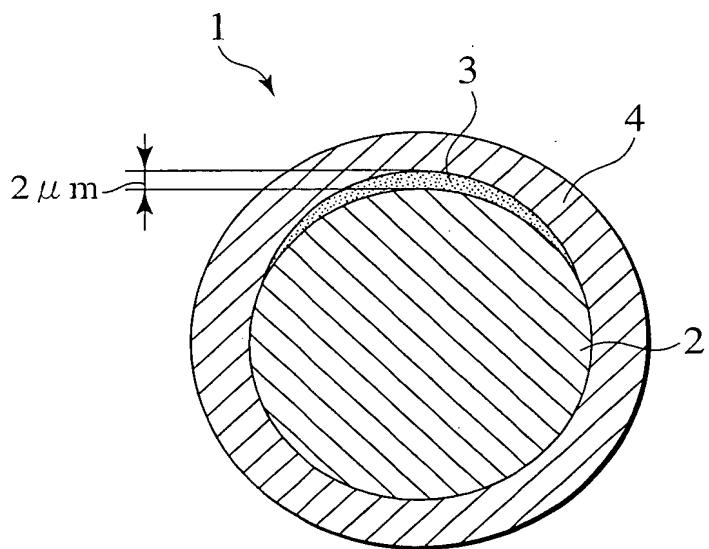


FIG.4B

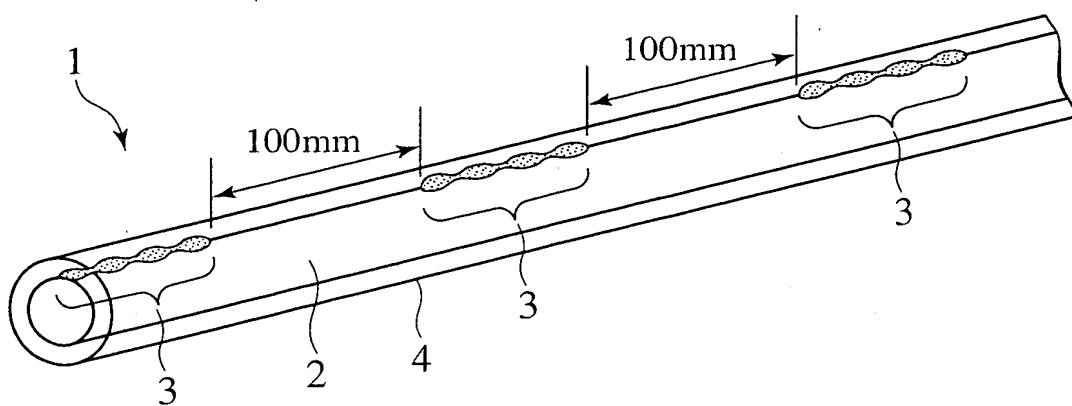


FIG.5

	LENGTH OF DISTINCTIVE LAYER (mm)	THICKNESS OF COLORED LAYER (μm)	VARIATIONS IN TRANSMISSION LOSS (dB/km)	DISTINCTIVENESS
TEST 1	0.8	5	0.00	X
TEST 2	1	5	0.00	O
TEST 3	10	5	0.01	O
TEST 4	15	5	0.02	O
TEST 5	20	5	0.04	O
TEST 6	1	10	0.00	O
TEST 7	10	10	0.00	O
TEST 8	1	11	0.02	X
TEST 9	10	11	0.02	X

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FIG.6A

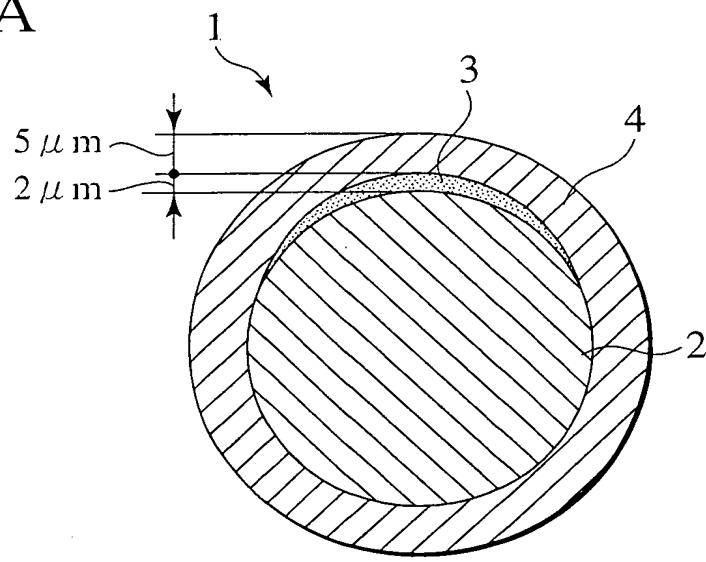


FIG.6B

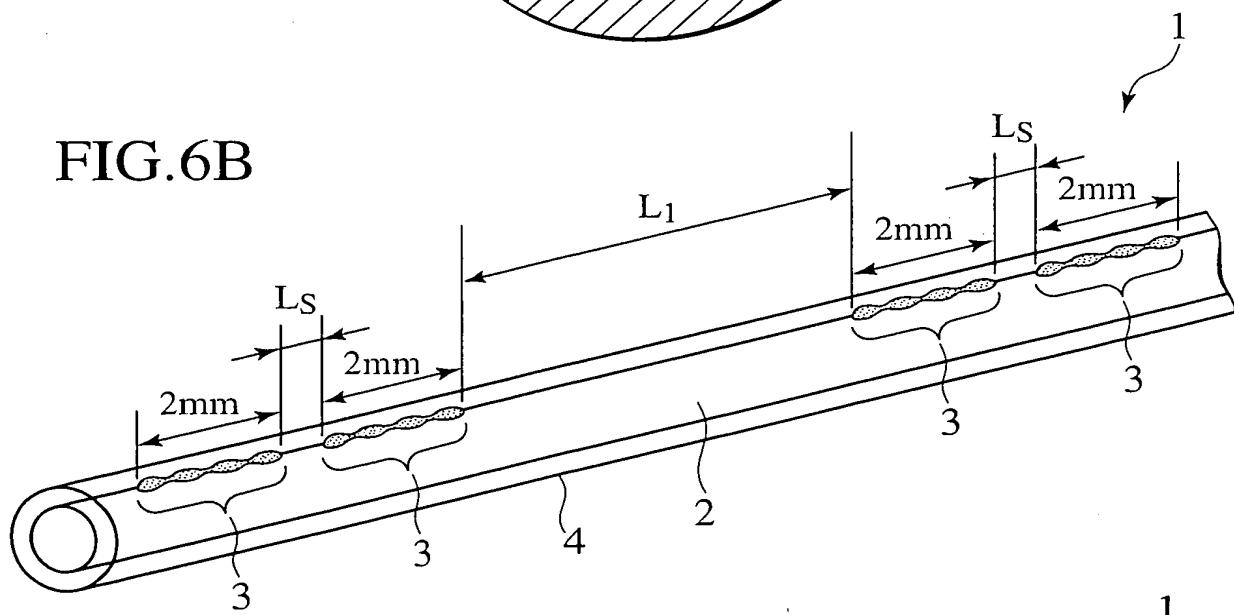


FIG.6C

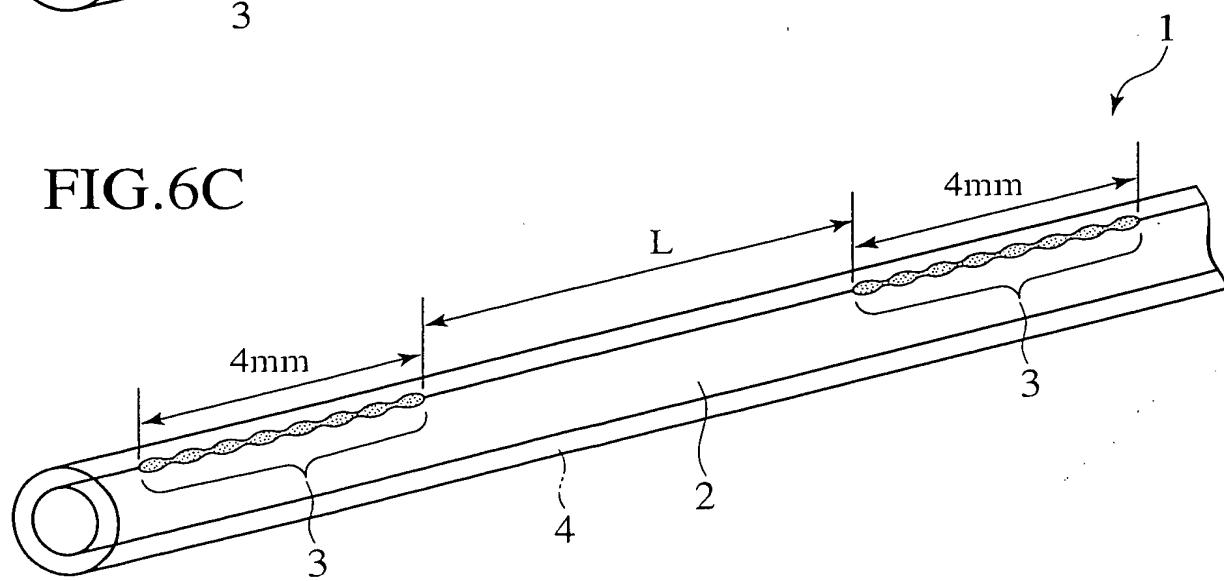


FIG.7

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	LENGTH OF DISTINCTIVE LAYER (mm)	MINIMUM INTERVAL OF DISTINCTIVE LAYER (mm)	MAXIMUM INTERVAL OF DISTINCTIVE LAYER (mm)	INTERVAL OF DISTINCTIVE LAYER (mm)	DISTINCTIVENESS
TEST 1	2	0.5	50	—	X
TEST 2	2	1	50	—	○
TEST 3	2	2	50	—	○
TEST 4	2	2	100	—	○
TEST 5	2	2	200	—	○
TEST 6	2	2	300	—	X
TEST 7	4	—	—	0.5	X
TEST 8	4	—	—	1	○
TEST 9	4	—	—	2	○
TEST 10	4	—	—	10	○
TEST 11	4	—	—	100	○
TEST 12	4	—	—	200	○
TEST 13	4	—	—	300	X

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FIG.8A

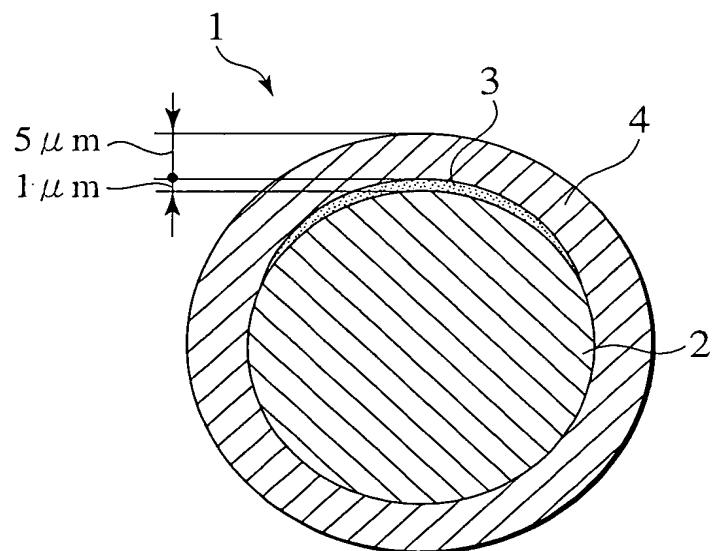


FIG.8B

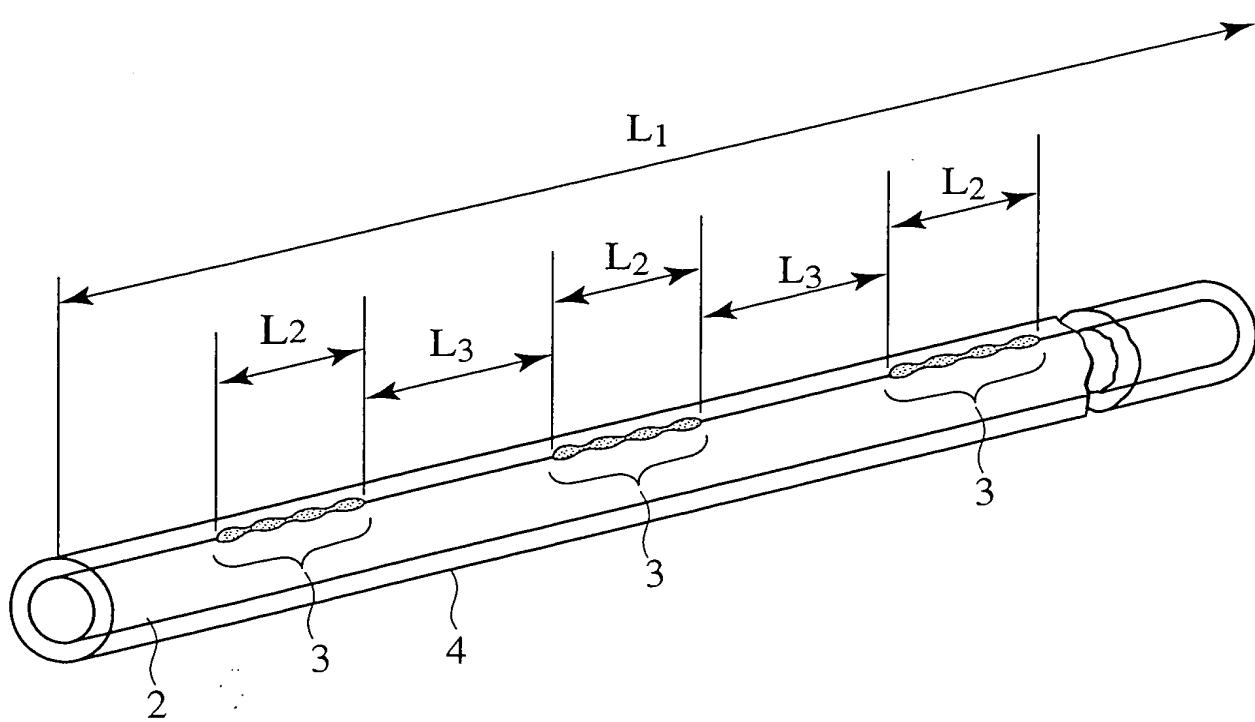


FIG.9

	LENGTH OF DISTINCTIVE LAYER (mm)	LENGTH OF NON-DISTINCTIVE LAYER (mm)	DEGREE OF OCCUPANCY OF DISTINCTIVE LAYER (%)	VARIATIONS IN TRANSMISSION LOSS (dB/km)	DISTINCTIVENESS
TEST 1	2	48	4	0.00	○
TEST 2	5	45	10	0.01	○
TEST 3	10	40	20	0.02	○
TEST 4	15	35	30	0.28	○
TEST 5	4	96	4	0.00	○
TEST 6	10	90	10	0.01	○
TEST 7	20	80	20	0.02	○
TEST 8	30	70	30	0.3	○

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FIG.10A

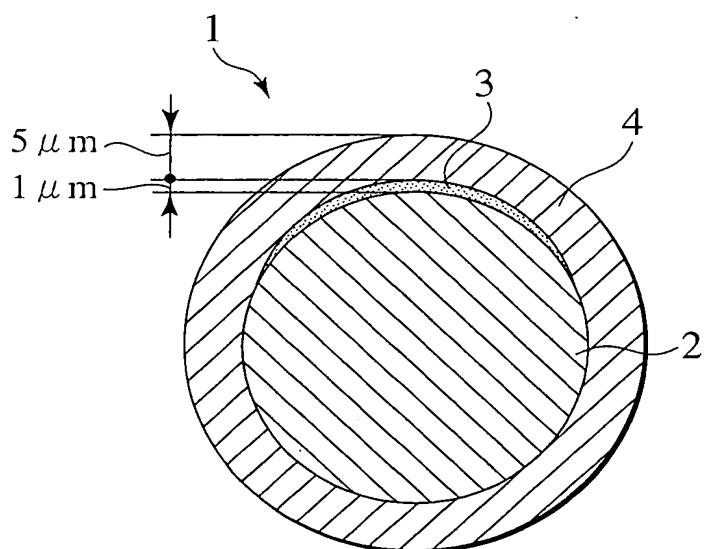


FIG.10B

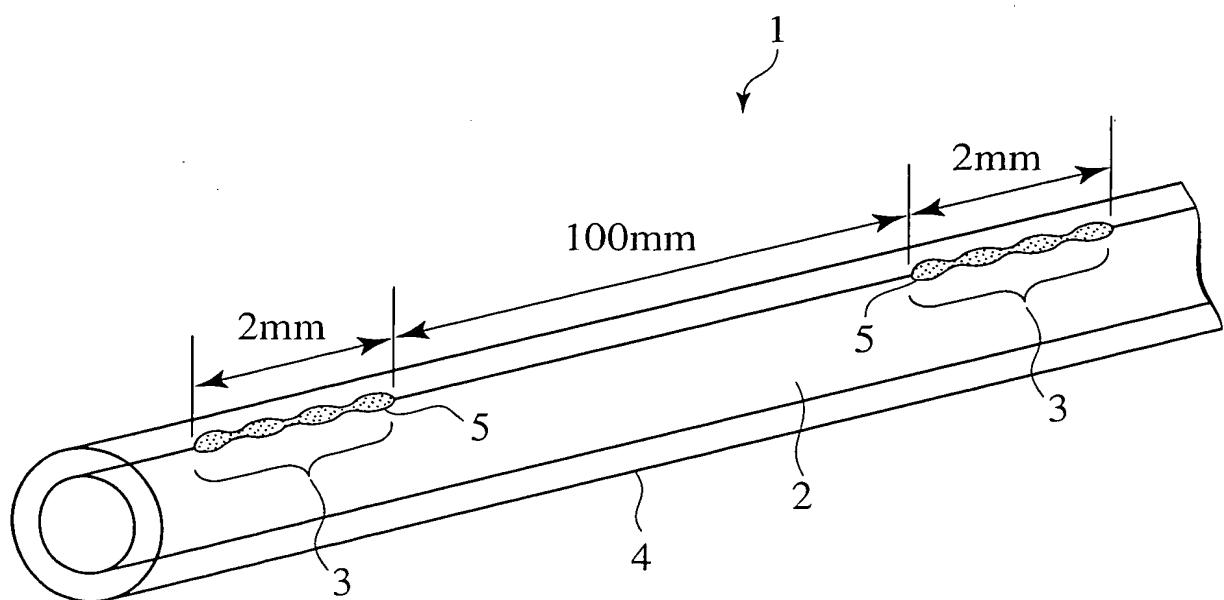


FIG.11

	MAJOR DIAMETER OF FINE DROP OF INK (μm)	DISTINCTIVENESS	MANUFACTURED LENGTH OF OPTICAL FIBER*)
TEST 1	80	X	100
TEST 2	100	O	100
TEST 3	200	O	100
TEST 4	250	O	95
TEST 5	400	O	80
TEST 6	500	O	65
TEST 7	600	O	50

*) SHOWING RELATIVE VALUES WHERE
THE VALUE OF TEST 2 IS SET AT 100